

Fig. 1

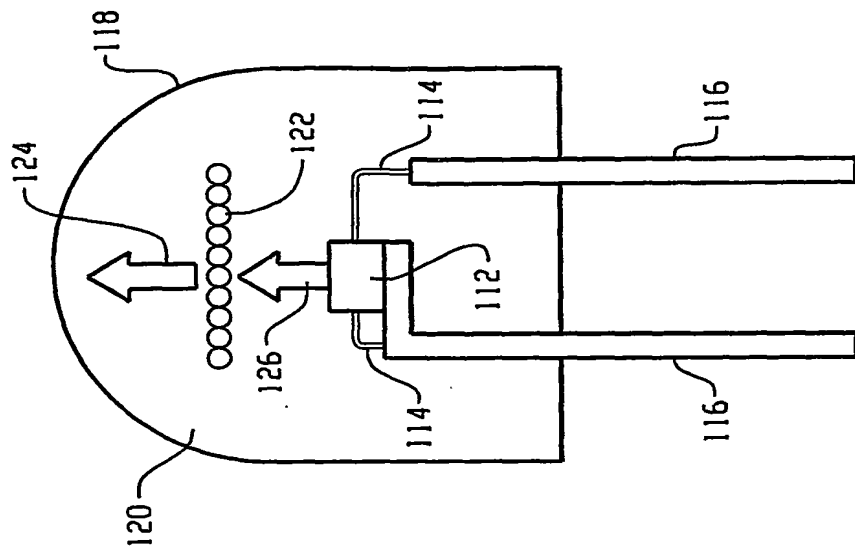


Fig. 2

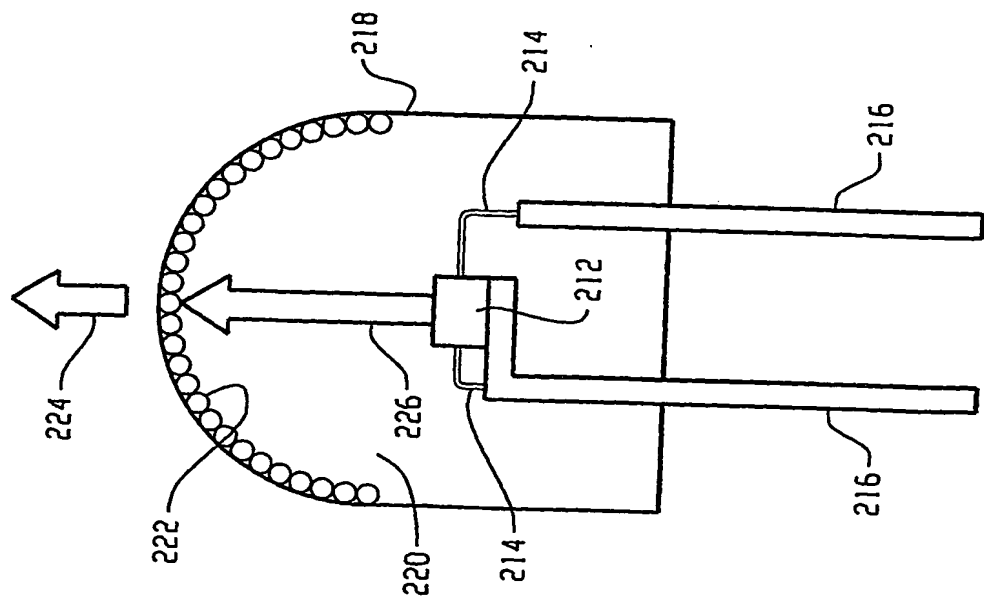


Fig. 3

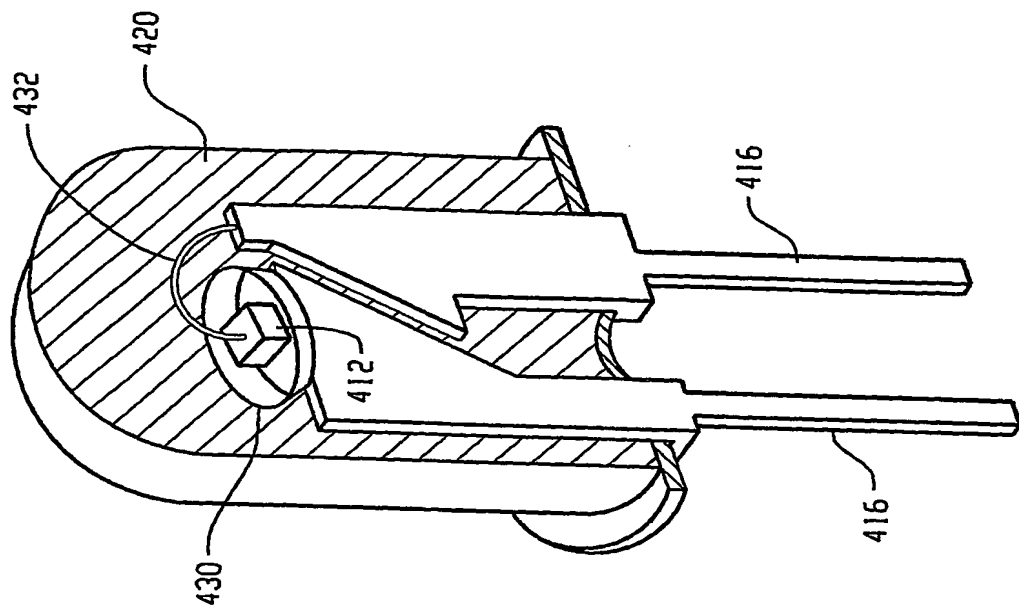


Fig. 4

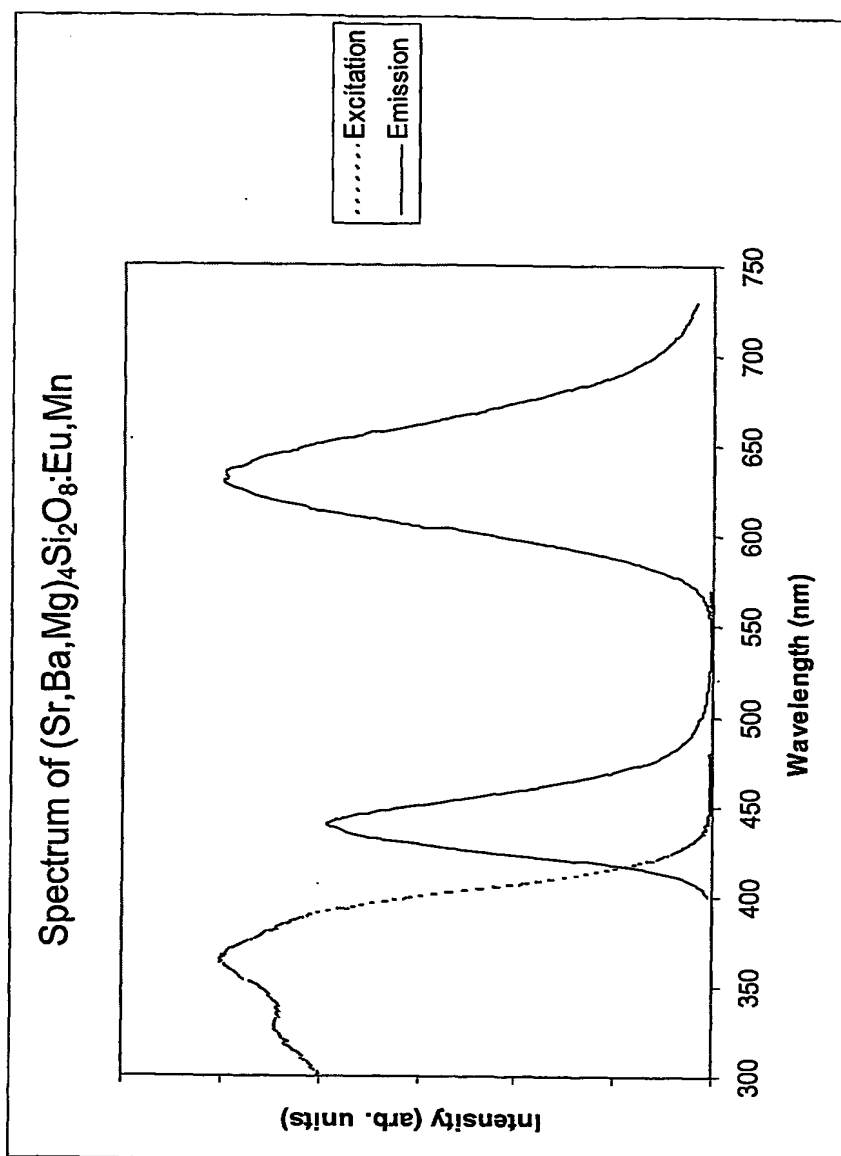


Fig. 5

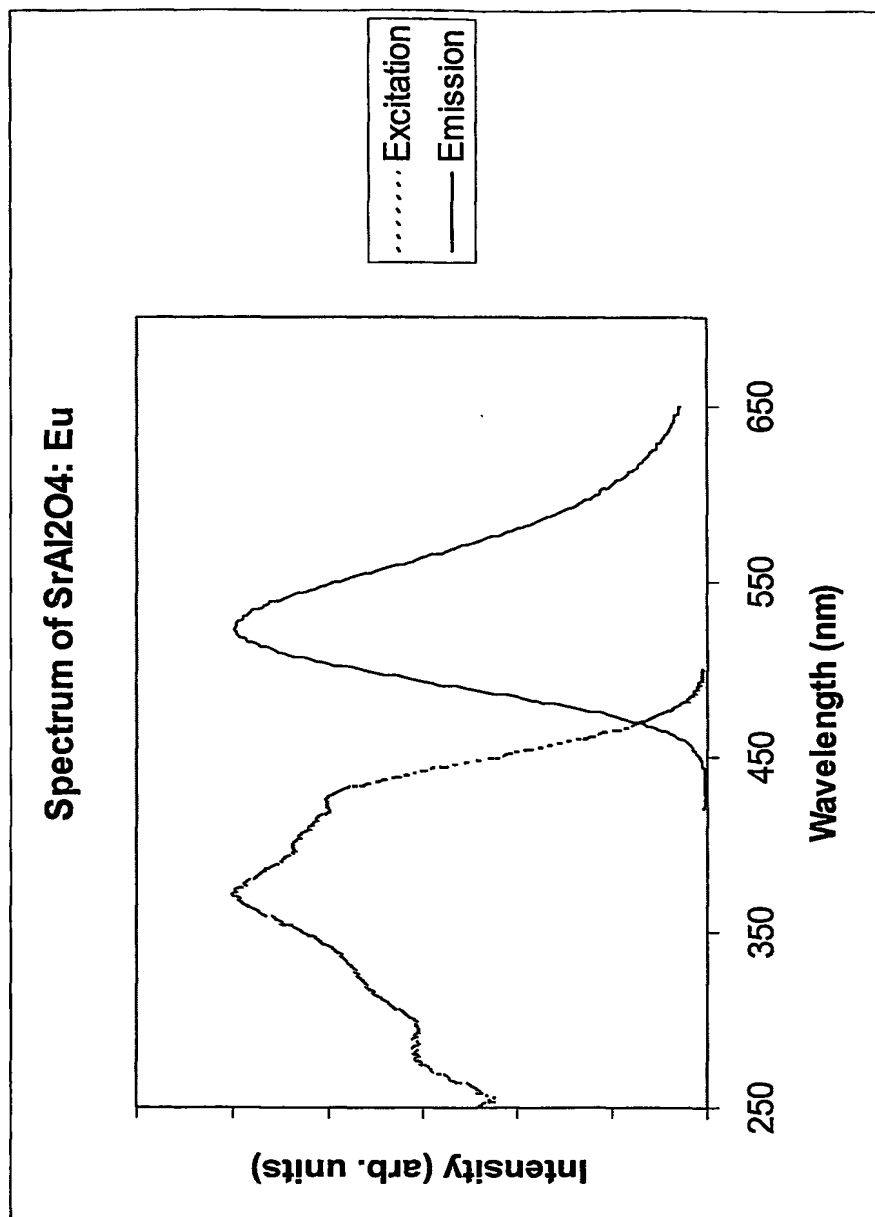


Fig. 6

Blend #	1	2	3	4	5	6	7	8
CCT, K	2500	2700	3000	3500	4000	5000	6500	8000
x	0.476	0.459	0.437	0.405	0.380	0.345	0.313	0.295
y	0.413	0.410	0.404	0.390	0.376	0.352	0.324	0.305
Blue	1.3%	2.7%	4.9%	8.8%	12.4%	18.3%	25.2%	29.8%
Green	20.0%	22.3%	25.1%	28.4%	30.5%	33.0%	33.8%	33.7%
Orange	46.8%	45.9%	44.3%	41.2%	38.2%	32.2%	28.7%	25.8%
Red	28.9%	26.1%	22.8%	18.7%	15.9%	13.5%	9.3%	7.8%
LED Bleed	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
lm/W rad	274	280	286	289	289	283	276	267
R1	99	99	99	99	99	99	99	98
R2	100	100	100	99	99	98	98	97
R3	99	99	99	98	98	96	95	94
R4	99	100	100	99	99	96	97	97
R5	99	100	100	100	99	99	99	98
R6	98	98	99	99	98	97	95	94
R7	99	99	99	99	99	97	97	97
R8	99	99	100	100	100	97	98	98
R9	98	98	99	99	99	94	99	99
R10	98	99	100	99	98	97	94	93
R11	98	97	97	97	97	94	94	95
R12	93	94	95	92	89	90	84	81
R13	99	99	99	99	99	99	99	99
R14	99	99	99	99	98	97	97	96
Ra (1-8)	99	99	99	99	99	97	97	97
Mean R (1-14)	98	99	99	98	98	96	96	95

Fig. 7

Blend #	CCT	x	y	lm/W rad	Ra	Mean R	R9	SAE	SPP	SASI red	HALO	MFG	SECA	SrAl2O4	LED bleed
1	2500	0.478	0.415	277	99	99	100	0.0%	3.4%	4.4%	42.2%	27.4%	0.0%	20.2%	2.4%
2	3000	0.438	0.406	290	100	99	99	7.7%	19.9%	9.8%	23.6%	21.3%	0.0%	17.0%	0.7%
3	4000	0.381	0.378	284	100	99	99	11.1%	21.5%	7.8%	15.7%	14.6%	5.9%	18.1%	5.3%
4	5000	0.345	0.353	279	100	99	99	12.8%	31.1%	6.9%	2.0%	11.0%	12.3%	19.0%	4.8%
5	6000	0.322	0.332	272	99	98	97	15.1%	33.3%	0.0%	0.0%	12.5%	17.8%	16.5%	4.8%
6	7000	0.306	0.317	262	99	98	97	15.1%	30.7%	0.0%	0.0%	10.4%	20.6%	16.4%	6.7%
7	8000	0.295	0.305	253	99	98	98	15.1%	28.6%	0.0%	0.0%	9.1%	22.4%	16.1%	8.7%

Fig. 8

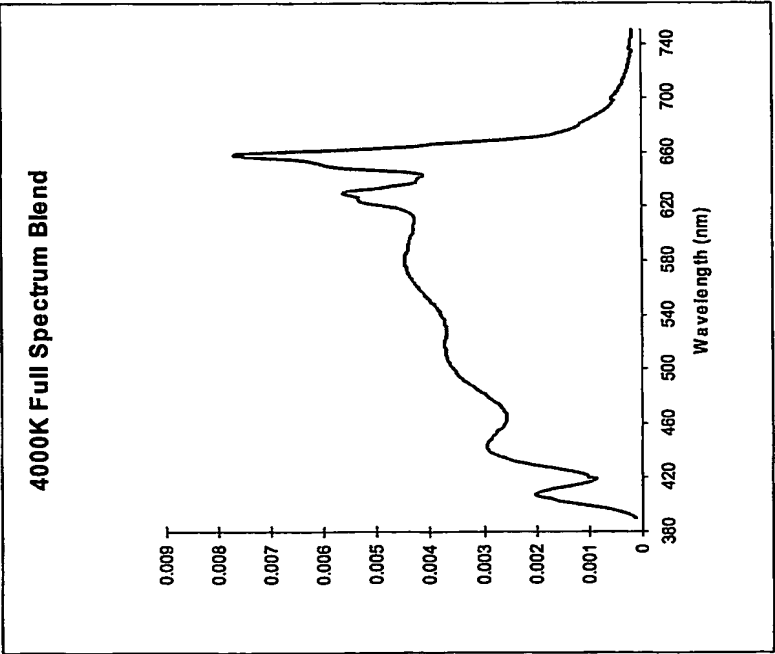


Fig. 9

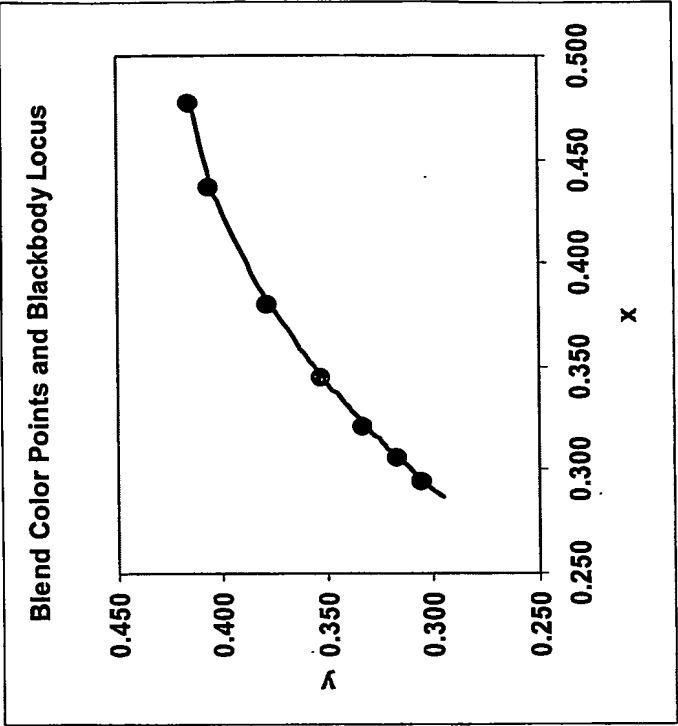


Fig. 10

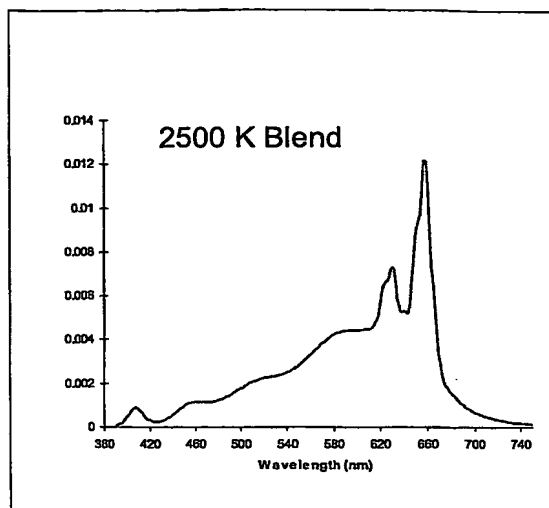


Fig. 11a

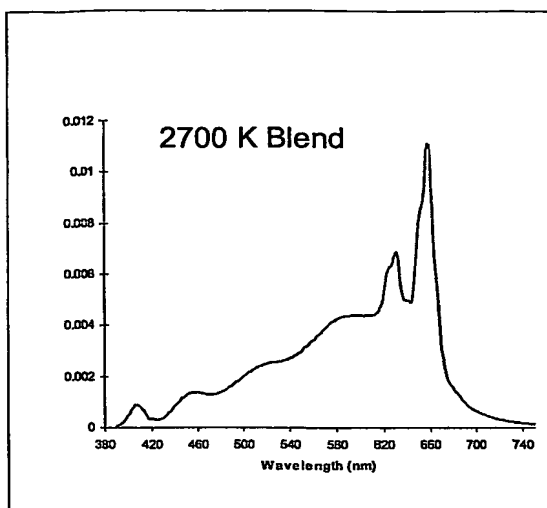


Fig. 11b

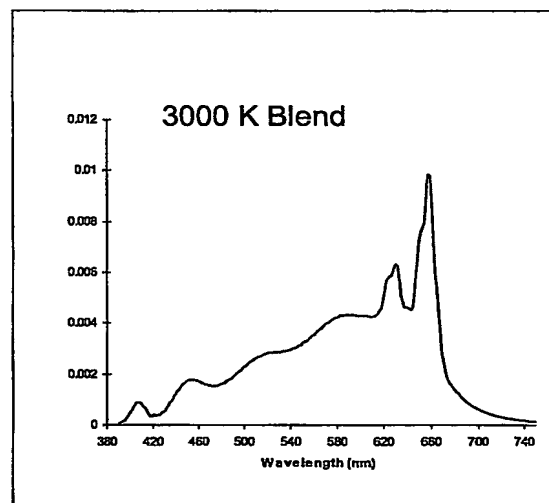


Fig. 11c

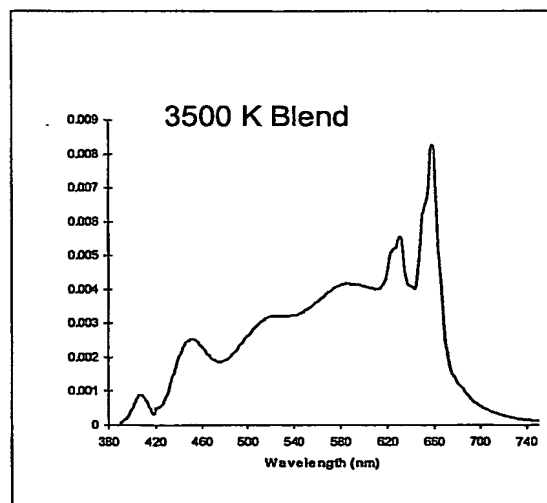


Fig. 11d

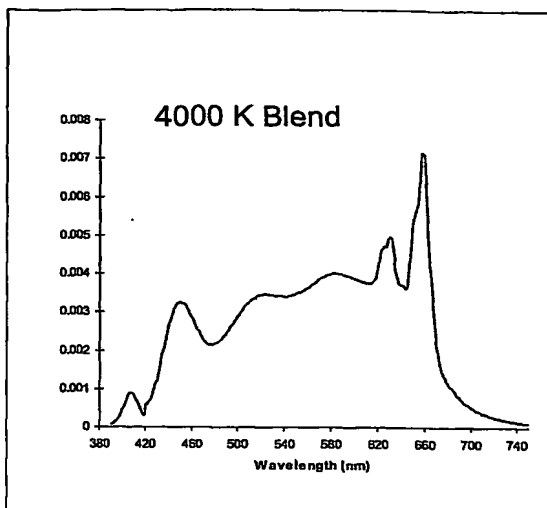


Fig. 11e

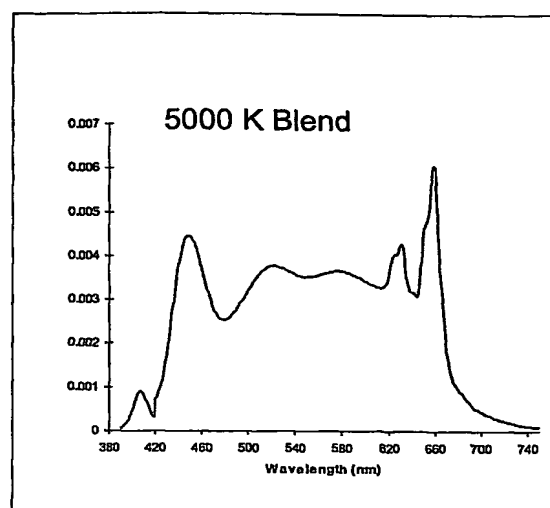


Fig. 11f

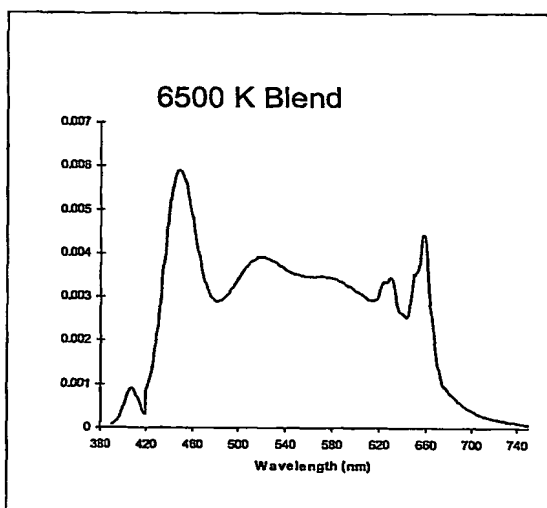


Fig. 11g

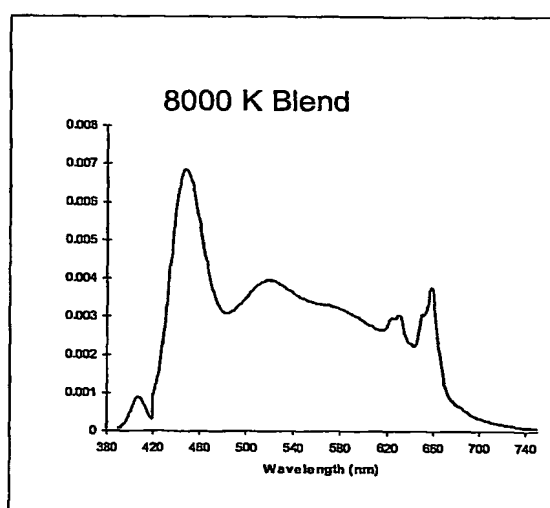


Fig. 11h

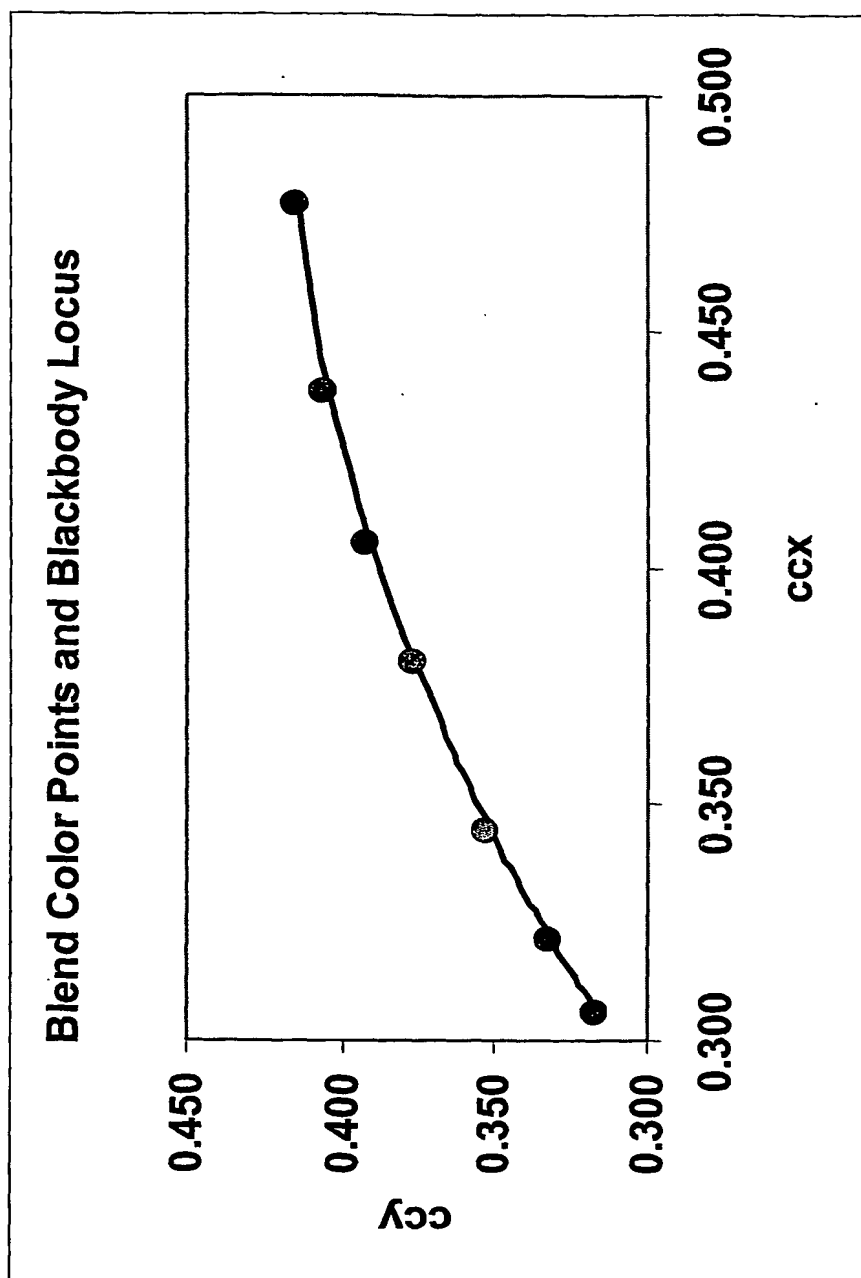


Fig. 12